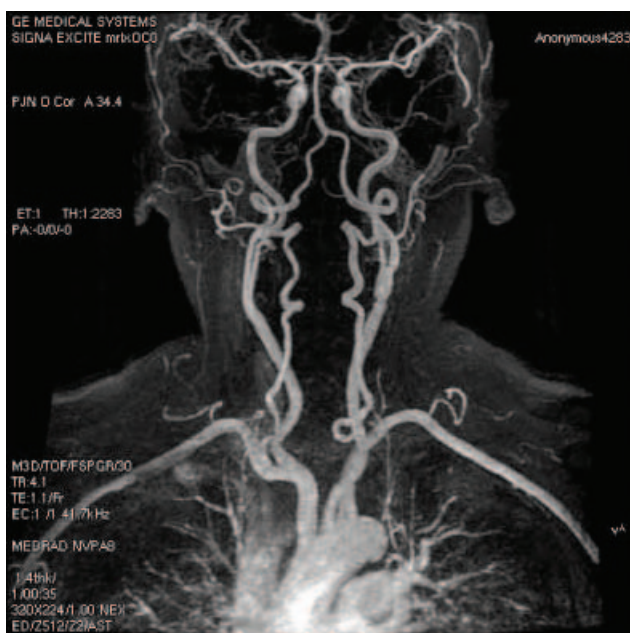


1.5T HD Neurovascular Array



For GE Signa® 1.5T Excite™ HD MR System



The 1.5T HD Neurovascular Array coil enables high quality neurovascular imaging using a GE Signa® 1.5T EXCITE™ HD MR system with either 8-channel or 16-channel capability.

Primary Applications

The HD Neurovascular Array has been designed and tested to produce unprecedented image quality in the head, neck, and upper chest. The head portion offers complete coverage of the brain, including the cerebellum. Through the use of a large FOV, the head and neck can be imaged without repositioning. Other applications of the coil include imaging of the cervical spine, carotid arteries, and the soft tissues of the neck.



Technical Features

The 1.5T HD Neurovascular Array coil offers the highest signal-to-noise of any neurovascular coil available for 1.5T with superb image homogeneity. This quadrature phased-array coil has 12 elements – 8 covering the brain and 4 over the neck.

The coil is compatible with PROPELLER and ASSET® parallel imaging techniques. It also allows single-voxel and multi-voxel spectroscopy in the brain.

The 1.5T HD Neurovascular Array coil is the only neurovascular coil with the new Hypertronics connector to provide the most secure connection to the system resulting in fewer t/r driver fault conditions. The coil has an open design with a pivoting anterior paddle. Positioning pads enhance patient comfort and help to stabilize the patient. A phantom is included for quality assurance.

Coil Coverage (FOV)

Superior/Inferior	44 cm with HDNV ARRAY configuration 24 cm with HDNV HEAD section alone 26 cm with HDNV NECK configuration
Anterior/Posterior	24 cm for Head section
Right/Left	24 cm Head section; 30 cm Neck section

Coil Dimensions

Length	34.0 in.	86.4 cm
Width	15.5 in.	39.4 cm
Height	16.0 in.	40.6 cm
Weight	29.5 lbs.	13.3 kg

System Requirements and Ordering

Required GE 1.5T Signa EXCITE HD MR system with 8-channel or 16-channel capability. Compatible with all such models. Offered by GE through catalog M3087JJ.

Distribution and Warranty

This product is sold exclusively through GE. Please contact your GE sales representative for sales information.

MEDRAD reserves the right to modify the specifications and features described herein, or discontinue manufacture of the product described at any time without prior notice or obligation. Please contact your authorized MEDRAD representative for the most current information.

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2003 Award Recipient
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